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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,650	02/16/2001	James William Cooper	YOR920000753US1	4185

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EXAMINER

JACKSON, JAKIEDA R

ART UNIT	PAPER NUMBER
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2655

DATE MAILED: 05/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/785,650

Applicant(s)

COOPER ET AL.

Examiner

Jakieda R Jackson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10-22 and 24-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-22 and 24-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 23, 2005 has been entered.

Response to Amendment

2. In response to the Office Action mailed December 20, 2004, applicant submitted an amendment filed on March 23, 2005, in which the applicant amended and requested reconsideration with respect to **claims 1, 15, 19, 24 and 27-28**.

Response to Arguments

3. Applicant's argue that Yahagi and Logan are directed to unrelated art and therefore there is no motivation to combine the cited references. In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art.

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See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Logan teaches

accessing speech data (audio speech file; column 2, line 57);

recognizing at least two voice commands ("Go", "Five", "News", etc.) from the speech data, each voice command occurring at a different time (shift to different segment; column 12, lines 55-60), but lacks determining a first and second time associated with a speaking of a first and second of the voice commands, wherein said first and second voice command identifies a start and end of said time interval.

Yahagi discloses a speech recognition method comprising the steps of:

determining a first time associated with a speaking of a first of the voice commands (start), wherein the first voice command identifies a start of a time interval (time interval from the start; column 8, lines 10-37); and

determining a second time associated with a speaking of a second of the voice commands (stop), wherein a second voice command identifies an end of a time interval (column 8, lines 10-37 with lines 48-58), **to obtain a correct time measurement.**

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's method, article of manufacture and computer system wherein it determines a first and second time associated with a speaking of a first and second of the voice commands, wherein said first and second voice command identifies a start and end of said time interval, **to perform a correct timing in synchronism with speech input (column 10, lines 22-31).**

Applicant's also argue that neither Logan nor Yahagi discloses or suggest storing data identifying a time interval **and** data identifying one or more of the first voice and second voice commands.

However, applicant's arguments filed March 23, 2005 have been fully considered but they are not persuasive.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 1-7 and 27** are rejected under 35 U.S.C. 103(a) as being unpatentable over Logan et al. (U.S. Patent No. 5,721,827), hereinafter referenced as Logan in view of Yahagi et al. (U.S. Patent No. 4,984,274), hereinafter referenced as Yahagi.

Regarding **claims 1 and 27**, Logan discloses a method and an article of manufacture, performed on a computer system (column 1, lines 48-52), for tracking time (log time; column 11, lines 41-51) using speech recognition (column 35, line 24), the method comprising the steps of:

accessing speech data (audio speech file; column 2, line 57);

recognizing at least two voice commands ("Go", "Five", "News", etc.) from the speech data, each voice command occurring at a different time (shift to different segment; column 12, lines 55-60), but lacks determining a first and second time associated with a speaking of a first and second of the voice commands, wherein said first and second voice command identifies a start and end of said time interval and storing data identifying said time interval and data identifying one or more of said first voice command and second voice command.

Yahagi discloses a speech recognition method comprising the steps of:

determining a first time associated with a speaking of a first of the voice commands (start), wherein the first voice command identifies a start of a time interval (time interval from the start; column 8, lines 10-37); and

determining a second time associated with a speaking of a second of the voice commands (stop), wherein a second voice command identifies an end of a time interval (column 8, lines 10-37 with lines 48-58); and

storing data identifying said time interval (stores measurement time data) and data identifying one or more of said first voice command and second voice command (figure 1 with start, stop, clear, etc. is designated to an address of a first memory area; column 3, line 33 – column 4, line 14), to obtain a correct time measurement.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's method, article of manufacture and computer system wherein it determines a first and second time associated with a speaking if a first and second of the voice commands, wherein said first and second

voice command identifies a start and end of said time interval and storing data identifying said time interval and data identifying one or more of said first voice command, to perform a correct timing in synchronism with speech input (column 10, lines 22-31).

Regarding **claim 2**, Logan discloses the method wherein the second voice command (BACK command subdivided into two commands) is implied because a predetermined time from the first voice command (predetermined time of segment) elapses before another voice command occurs (column 14, lines 11-27) and wherein the step of determining a second time comprises the step of assigning the second time as the predetermined time plus the first time, if the first voice command elapses before another voice command occurs (column 11, lines 44-51).

Regarding **claim 3**, Logan discloses the method wherein:

the speech data (comment) comprises a time stamp (column 42, lines 20-30);

the step of determining a first time comprises:

determining an offset time (start and ending offset) between the time stamp and a time when the first voice command (audio presentation) is active (column 4, lines 48-57); and

determining (identify) the first time through reference to the time stamp and the offset time (column 7, lines 41-45).

Regarding **claim 4**, Logan discloses the method wherein:

the speech data (comment) comprises a time stamp (column 42, lines 20-30);

the step of determining a first time comprises:

determining an offset time (start and ending offset) between the time stamp and a time when the first voice command (audio presentation) is spoken (column 4, lines 48-57); and

determining the first time through reference to the time stamp and the offset time (column 7, lines 41-45); and

the step of determining a second time comprises:

determining a second offset (start and ending offset) time between the time stamp and a time when the second voice command is spoken (column 4, lines 48-57); and

determining (identify) the second time through reference to the time stamp and the second offset time (column 7, lines 41-45).

Regarding **claim 5**, Logan discloses the method wherein:

the step of determining the first time through reference to the time stamp and the offset time comprises the step of adding the offset time to the time stamp to determine the first time (inherent in segment to be calculated; column 11, lines 36-51); and

the step of determining the second time through reference to the time stamp and the second offset time comprises the step of adding the second offset time to the time stamp to determine the second time (inherent in segment to be calculated; column 11, lines 36-51).

Regarding **claim 6**, Logan discloses the method wherein:

the speech data (comments and annotations) comprises first and second time stamps (column 42, lines 20-30);

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the step of determining a first time comprises:

determining a first offset time (start and ending offset) between the first time stamp and a time when the first voice command (audio presentation) is spoken (column 4, lines 48-57); and

determining (identify) the first time through reference to the first time stamp and the first offset time (column 7, lines 41-45); and

the step of determining a second time comprises:

determining a second offset (start and ending offset) time between the second time stamp and a time when the second voice command (audio presentation) is spoken (column 4, lines 48-57); and

determining (identify) the second time through reference to the second time stamp and the second offset time (column 7, lines 41-45).

Regarding **claim 7**, Logan discloses the method further comprising the steps of:

recording speech onto a portable recorder (portable computer or player; column 6, lines 35-37); and

loading the speech data from the portable recorder (player) to the computer system (CPU), the speech data comprising the speech and a plurality of time stamps (time of day clock; column 3, lines 1-18).

6. **Claims 8, 10-22, 24-26 and 28-30** are rejected under 35 U.S.C. 103(a) as being unpatentable over Logan in view of Yahagi as applied to claim 1 above, and further in view of Ladd et al. (U.S. Patent No. 6,539,359), hereinafter referenced as Ladd.

Regarding **claim 8**, Logan in view of Yahagi discloses a method and an article of manufacture, performed on a computer system for tracking time (Logan, log time; column 11, lines 41-51) using speech recognition, but lacks the method further comprising the steps of:

determining at least one task name from the text of the at least two voice commands.

Ladd discloses determining at least one task name (tags, symbols, etc.) from the text of the at least two voice commands (figure 6 with column 16, lines 17-25 and 34-45), to control interactive voice service.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan in combination with Yahagi's method such that it converts each of at least two voice commands to text and determines text versions of the at least two voice commands by comparing words in the text with phrase grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Regarding **claim 10**, Logan discloses the method wherein the step of determining at least one task name comprises finding the at least one task name (words and phrases in the presentation) in the text (column 37, lines 36-45).

Regarding **claim 10**, Logan discloses the method wherein the step of determining at least one task name comprises finding the at least one task name (words and phrases in the presentation) in the text (column 37, lines 36-45).

Regarding **claim 11**, Logan discloses the method wherein the step of determining at least one task name comprises associating at least one task name to (filename) said time interval (time established) between the first and second times, wherein the at least one task name is not in the text (user preference; column 6, line 60 – column 7, line 7).

Regarding **claim 12**, Logan discloses the method wherein the at least one task name comprises two task names, a first task name ("Five") associated with a first of the voice commands and a second task name ("News") associated with a second of the voice commands, wherein the first and second voice commands occur adjacent to each other in time (while), wherein the first and second task name are different ("Five" and "News"), and wherein the second voice command is assumed to end a first task corresponding to the first task name and start a second task corresponding to the second task name (start of new segment; column 12, line 55 – column 13, line 2).

Regarding **claim 13**, Logan discloses the method further comprising the step of packaging the first time, second time (total time), and one task name (plays field) from the at least one task name into a time increment (column 19, line 63 - column 20, line 7).

Regarding **claim 14**, Logan discloses the method wherein the at least two voice commands comprises a plurality of voice commands, wherein the at least one task

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name comprises a plurality of task names, and wherein the method further comprises the steps of:

- determining an additional plurality of voice command times ("Back", "Back Segment" etc.), each of the voice command times associated with one of the plurality of additional voice command times ("Skip", "Mark etc.; column 14, lines 11-51);

- converting each of the plurality of voice commands to text (column 15, lines 4-6);

- determining a plurality of task names (text file) from the text (column 37, lines 36-45);

- associating a task name with two of the first time, second time, or additional plurality of voice command times ("Skip", "Mark etc.; column 14, lines 11-51);

- creating a plurality of time increments (different program segment; column 12, lines 55-56), each time increment comprising two times of the first time, second time, or additional plurality of voice command times (receipt of command; column 12, lines 17-23) and a task name (log file; column 11, lines 44-46); and

- storing the plurality of time increments (host sever; figure 1, element 101 and column 4, lines 15-27).

Regarding **claims 15 and 28**, Logan discloses a method and article of manufacture, performed on a computer system (column 1, lines 48-52), for tracking time (log time; column 11, lines 41-51) using speech recognition (column 35, line 34), the method comprising the steps of:

- accessing speech data (audio speech file; column 2, line 57) comprising a

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plurality of time stamps and speech (column 42, lines 20-30);

determining a time associated with a speaking of each of the voice commands (column 42, lines 20-30);

determining a plurality of tasks, each task associated with at least one of the times and at least one of the voice commands ("Skip", "Mark etc.; column 14, lines 11-51); and

determining a plurality of time increments (different program segment; column 12, lines 55-56), each time increment comprising one of the tasks (log file; column 11, lines 44-46) and at least one of the times (receipt command; column 12, lines 17-23), but lacks storing one or more of said time increments and converting the speech to text and composing a plurality of voice commands from words in the text, each voice command corresponding to a phrase grammar rule.

Yahagi teaches storing one or more time increments (figure 1 with stores time measurement data; column 3, line 33 – column 4, line 14), to obtain a correct time measurement.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's method and article of manufacture wherein it stores one or more time increments, as taught by Yahagi, to perform a correct timing in synchronism with speech input (column 10, lines 22-31).

Ladd discloses a method comprising:

converting the speech to text (column 4, lines 47-49); and

composing a plurality of voice commands from words in the text (column 4, lines 47-49), each voice command corresponding to a phrase grammar rule (phonetic rules; column 14, lines 25-45), to control interactive voice service.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan in combination with Yahagi's method and article of manufacture such that it converts each of at least two voice commands to text and determines text versions of the at least two voice commands by comparing words in the text with phrase grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Regarding **claim 16**, Logan discloses the method wherein the at least one task name comprises two task names, a first task name ("Five") associated with a first of the voice commands and a second task name ("News") associated with a second of the voice commands, wherein the first and second voice commands occur adjacent to each other in time (while), wherein the first and second task name are different ("Five" and "News"), and wherein the second voice command is assumed to end a first task corresponding to the first task name and start a second task corresponding to the second task name (start of new segment; column 12, line 55 – column 13, line 2).

Regarding **claim 17**, Logan discloses the method wherein:

the speech data (comment) comprises a time stamp (column 42, lines 20-30);

the step of determining a first time comprises:

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determining an offset time (start and ending offset) between the time stamp and a time when the first voice command (audio presentation) is active (column 4, lines 48-57); and

determining (identify) the first time through reference to the time stamp and the offset time (column 7, lines 41-45).

Regarding **claim 18**, Logan discloses the method further comprising the steps of:

recording speech onto a portable recorder (portable computer or player; column 6, lines 35-37); and

loading the speech data from the portable recorder (player) to the computer system (CPU), the speech data comprising the speech and a plurality of time stamps (time of day clock; column 3, lines 1-18).

Regarding **claim 19**, Logan discloses a system for tracking time using speech recognition, the system comprising:

a computer system comprising:

a memory (mass storage device) that stores computer-readable code (records programming; column 3, lines 1-18); and

a processor operatively coupled to the memory, the processor configured to implement the computer-readable code (column 3, lines 1-9 and column 19, lines 11-17), the computer-readable code configured to:

access speech data (audio speech file; column 2, line 57);

recognize at least two voice commands ("Go", "Five", "News", etc.) from the speech data, each voice command occurring at a different time (shift to different segment; column 12, lines 55-60);

determine a first time (start time) associated with a first of the voice commands (advertising segment; column 11, lines 41-51); and

determine a second time (end time) associated with a second of the voice commands (advertising segment; column 11, lines 41-51), but lacks determining a first and second time associated with a speaking of a first and second of the voice commands, wherein said first and second voice command identifies a start and end of said time interval and converting each of at least two voice commands to text, storing data identifying said time interval and data identifying one or more of said first voice command and second voice command and determining text versions of the at least two voice commands by comparing words in the text with phrase grammar rules.

Yahagi discloses a speech recognition method comprising the steps of:

determining a first time associated with a speaking of a first of the voice commands (start), wherein the first voice command identifies a start of a time interval (time interval from the start; column 8, lines 10-37);

determining a second time associated with a speaking of a second of the voice commands (stop), wherein a second voice command identifies an end of a time interval (column 8, lines 10-37 with lines 48-58); and

storing data identifying said time interval (stores measurement time data) and data identifying one or more of said first voice command and second voice command

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(figure 1 with start, stop, clear, etc. is designated to an address of a first memory area; column 3, line 33 – column 4, line 14), to obtain a correct time measurement.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's method, article of manufacture and computer system wherein it determines a first and second time associated with a speaking if a first and second of the voice commands, wherein said first and second voice command identifies a start and end of said time interval and storing data identifying said time interval and data identifying one or more of said first voice command, to perform a correct timing in synchronism with speech input (column 10, lines 22-31).

Logan in view of Yahagi discloses a system for tracking time using speech recognition, but lacks converting each of at least two voice commands to text and determining text versions of the at least two voice commands by comparing words in the text with phrase grammar rules.

Ladd discloses converting each of at least two voice commands (column 4, lines 9-10 and column 5, lines 9-10) to text (column 4, lines 47-49); and

determining text versions of the at least two voice commands (column 4, lines 47-49) by comparing words in the text (VRU server compares input) with phrase grammar rules (phonetic rules; column 14, lines 25-45), to control interactive voice service.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan in combination with Yahagi's invention

such that it converts each of at least two voice commands to text and determines text versions of the at least two voice commands by comparing words in the text with phrase grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Regarding **claim 20**, Logan discloses the system wherein the speech data comprises a time stamp, and wherein the computer-readable code is further configured to:

when determining a first time:

determining an offset time (start and ending offset) between the time stamp and a time when the first voice command (audio presentation) is spoken (column 4, lines 48-57); and

determining (identify) the first time through reference to the time stamp and the offset time (column 7, lines 41-45); and

when determining a second time comprises:

determining a second offset time (start and ending offset) between the time stamp and a time when the second voice command is spoken (column 4, lines 48-57); and

determining (identify) the second time through reference to the time stamp and the second offset time (column 7, lines 41-45).

Regarding **claim 21**, Logan discloses the system wherein the computer-readable code is further configured to:

store the time increments (host sever; figure 1, element 101 and column 4, lines 15-27); and

place the time increments into a file (form of file (sequence)) having a format suitable for importing into a time and billing program (column 15, lines 35-66).

Regarding **claim 22**, Logan discloses the system wherein the system further comprises a digital personal recorder and wherein the computer-readable code is further configured to receive the speech data from the digital personal recorder (column 3, lines 1-18).

Regarding **claim 24**, Logan discloses a system for tracking time speech recognition, the system comprising:

a computer system comprising:

a memory (mass storage device) that stores computer-readable code (records programming; column 3, lines 1-18); and

a processor operatively coupled to the memory, the processor configured to implement the computer-readable code (column 3, lines 1-18 and column 19, lines 11-17), the computer-readable code configured to:

access speech data (audio speech file; column 2, line 57) comprising a plurality of time stamps and speech (column 42, lines 20-30);

determine a time (start and ending offset) associated a speaking of each of the voice commands (audio presentation; column 4, lines 48-57);

determine a plurality of tasks, each task associated with at least one of the times and at least one of the voice commands ("Skip", "Mark etc.; column 14, lines 11-51); and

determine a plurality of time increments (different program segment), each time increment comprising one of the tasks (log file) and at least one of the times (segment; column 12, lines 55 – column 13, line 2), but lacks storing one or more time increments and converting each of at least two voice commands to text and determining text versions of the at least two voice commands by comparing words in the text with phrase grammar rules.

Yahagi teaches storing one or more time increments (figure 1 with stores time measurement data; column 3, line 33 – column 4, line 14), to obtain a correct time measurement.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's method and article of manufacture wherein it stores one or more time increments, as taught by Yahagi, to perform a correct timing in synchronism with speech input (column 10, lines 22-31).

Ladd discloses converting each of at least two voice commands (column 4, lines 9-10 and column 5, lines 9-10) to text (column 4, lines 47-49); and

determining text versions of the at least two voice commands (column 4, lines 47-49) by comparing words in the text (VRU server compares input) with phrase grammar rules (phonetic rules; column 14, lines 25-45), to control interactive voice service.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan's invention such that it converts each of at least two voice commands to text and determines text versions of the at least two voice commands by comparing words in the text with phrase grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Regarding **claim 25**, Logan discloses the system wherein the computer-readable code is further configured to:

store the time increments (host sever; figure 1, element 101 and column 4, lines 15-27); and

place the time increments into a file (form of file (sequence)) having a format suitable for importing into a time and billing program (column 15, lines 35-66).

Regarding **claim 26**, Logan discloses the system wherein the system further comprises a digital personal recorder and wherein the computer-readable code is further configured to receive the speech data from the digital personal recorder (column 3, lines 1-18).

Regarding **claim 29**, Logan in view of Yahagi discloses a method for tracking time using speech recognition, but lacks determining text versions of the at least two voice commands by comparing words in the text with phrase grammar rules.

Ladd discloses determining text versions of the at least two voice commands (column 4, lines 47-49) by comparing words in the text (VRU server compares input)

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with phrase grammar rules (phonetic rules; column 14, lines 25-45), to control interactive voice.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan in combination with Yahagi's invention such that it determines text versions of the at least two voice commands by comparing words in the text with phrase grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Regarding **claim 30**, Logan in view of Yahagi discloses a method for tracking time using speech recognition, but lacks converting each of at least two voice commands to text and determining text versions of the at least two voice commands by comparing words in the text with phrase grammar rules.

Ladd discloses converting each of at least two voice commands (column 4, lines 9-10 and column 5, lines 9-10) to text (column 4, lines 47-49); and

determining text versions of the at least two voice commands (column 4, lines 47-49) by comparing words in the text (VRU server compares input) with phrase grammar rules (phonetic rules; column 14, lines 25-45), to control interactive voice service.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Logan in combination with Yahagi's invention such that it converts each of at least two voice commands to text and determines text versions of the at least two voice commands by comparing words in the text with phrase

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grammar rules, to provide pronunciation of words and phrases, and place markers in the text, to control interactive voice service (column 16, lines 17-20).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jakieda R Jackson whose telephone number is 571.272.7619. The examiner can normally be reached on Monday through Friday from 7:30 a.m. to 5:00p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on 571.272.7593. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JRJ
May 6, 2005


DAVID L. OMETZ
PRIMARY EXAMINER